Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Wednesday 29 Dec 2021 until 23:59 on Thursday 30 Dec 2021

Forecast Issued on Tuesday 28 Dec 2021 at 13:49

Confidence: High confidence for a mild southwesterly airstream over the coming days with gales at times and a lot of low cloud at times around the hill tops, also feeling very mild for the New Year period. Lower confidence in forecasting details of rainfall amounts and timing of outbreaks of rain.

Headline for Wednesday 29 Dec 2021: Southerly gales, cloudy with heavy rain for a time, turning milder.

Mountain weather hazards on Wednesday 29 Dec 2021

Blizzards
No Likelihood

Heavy Snow
No Likelihood

Storm force winds
No Likelihood

Gales
High Likelihood

Severe chill effect
Low Likelihood

Poor visibility
Low Likelihood

Thunderstorms
No Likelihood

Heavy persistent rain
No Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 600m

Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Cloudy	Cloudy	Drizzle	Heavy Rain	Heavy Rain	Heavy rain showers	Partly cloudy (night)	Partly cloudy (night)
Precipitation probability							
10%	10%	30%	80%	80%	40%	30%	30%

Forecast for Wednesday 29 Dec 2021

Weather: Clouding over from the early hours as frontal rain approaches the Peak District in the morning. Rain soon spreading east across the area after daybreak, rain will be heavy for a time and accompanied by widespread gales making for quite miserable conditions for a time. Rain will clear east during the afternoon and cloud will begin to clear up during the evening. Further clear spells will develop during the evening.

Chance of cloud free mountain/hill tops above 600m: 40% during the morning associated with the rain, improving to 70% by late afternoon as cloud clears after the rain.

Visibility: Visibility turning quite poor soon after daybreak as rain spreads across the area. General visibility will improve during the afternoon becoming very good. Low cloud will be broken during the morning from 400m and above gradually lifting and breaking during the afternoon, some patches of cloud around 600-700m by mid afternoon but otherwise becoming clear.

Check our weather forecast every day to get the most accurate and up to date information
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Met Office Mountain Weather Forecast

Forecast for Wednesday 29 Dec 2021

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	11/15 SW	10/13 S	18/27 S	27/37 SE	32/43 SW	32/44 W	29/41 W	28/40 SW	25/37 SW
300	8/12 SW	7/11 S	14/23 SE	23/34 SE	24/34 SW	22/33 W	18/29 W	19/31 SW	18/31 SW
Valley	5/10 SW	4/10 SE	8/20 SE	14/31 SE	15/33 SW	15/32 W	13/28 W	11/28 SW	11/28 SW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	4/-0	3/-0	5/-0	6/-0	8/4	8/2	6/1	6/0	7/2
300	6/3	5/3	6/2	6/2	11/7	10/7	9/5	8/4	9/5
Valley	6/4	5/4	6/3	7/3	11/8	11/8	9/6	8/5	8/6
Freezing Level*	1100m	1300m	2200m	2700m	2300m	1600m	1500m	1600m	2100m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Noticeable windchill during the morning in gales or severe gales and rain, milder air will spread across the area during the afternoon with winds easing slightly but still feeling cool until winds ease significantly overnight.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Tue 28 Dec 2021	5.8mm	9.6mm	18.2mm

Forecast for Thursday 30 Dec 2021

Weather: Outbreaks of rain are expected during the morning especially around southwestern hills. It will become drier and brighter for more northeasterly hills. Further outbreaks of rain will spread north during the evening. A lot of lower cloud expected in the milder airstream.

Maximum wind: Southwesterly 20-30mph with gusts 30-35mph.

Chance of cloud free mountain/hill tops above 600m: 40-50% a lot of the lower cloud will be confined to southwesterly areas with some clear tops around the north of the area. It will be hard to define the clearest time of day but perhaps the afternoon.

Visibility: Moderate or poor in early outbreaks of rain, becoming mainly good during the afternoon especially in the north. Cloud bases will be broken around 400m, perhaps more scattered around 500m in the north.

Temperature: **Valleys:** Plus 13 Celsius.
At 600m: Plus 9 Celsius.
Freezing level: Above the summits.

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